



24577-CY-B.ST25

#3

SEQUENCE LISTING

<110> Paul J. Maddon et al.

<120> DERIVATIVES OF SOLUBLE T-4

<130> 0575/24577-CY-B

<140> 08/328,500

<141> 1994-10-25

<160> 22

<170> PatentIn version 3.1.

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<222> (76)...(1257)

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Met Asn Arg Gly Val Pro Phe Arg His Leu Leu Leu
1 5 10gtg ctg caa ctg gcg ctc ctc cca gca gcc act cag gga aag aaa gtg 159
Val Leu Gln Leu Ala Leu Leu Pro Ala Ala Thr Gln Gly Lys Lys Val
15 20 25gtg ctg ggc aaa aaa ggg gat aca gtg gaa ctg acc tgt aca gct tcc 207
Val Leu Gly Lys Lys Gly Asp Thr Val Glu Leu Thr Cys Thr Ala Ser
30 35 40cag aag aag agc ata caa ttc cac tgg aaa aac tcc aac cag ata aag 255
Gln Lys Lys Ser Ile Gln Phe His Trp Lys Asn Ser Asn Gln Ile Lys
45 50 55 60att ctg gga aat cag ggc tcc tcc tta act aaa ggt cca tcc aag ctg 303
Ile Leu Gly Asn Gln Gly Ser Ser Leu Thr Lys Gly Pro Ser Lys Leu
65 70 75aat gat cgc gct gac tca aga aga agc ctt tgg gac caa gga aac ttc 351
Asn Asp Arg Ala Asp Ser Arg Arg Ser Leu Trp Asp Gln Gly Asn Phe
80 85 90ccc ctg atc atc agg aat ctt aag ata gaa gac tca gat act tac atc 399
Pro Leu Ile Ile Arg Asn Leu Lys Ile Glu Asp Ser Asp Thr Tyr Ile
95 100 105

tgt gaa gtg gag gac cag aag gag gag gtg caa ttg cta gtg ttc gga Cys Glu Val Glu Asp Gln Lys Glu Glu Val Gln Leu Leu Val Phe Gly 110 115 120	447
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cag aag gcc tcc agc ata gtc tat aag aaa gag ggg gaa cag gtg gac Gln Lys Ala Ser Ser Ile Val Tyr Lys Lys Glu Gly Glu Gln Val Asp 205 210 215 220	735
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gac cct aag ctc cag atg ggc aag aag ctc ccg ctc cac ctc acc ctg Asp Pro Lys Leu Gln Met Gly Lys Lys Leu Pro Leu His Leu Thr Leu 270 275 280	927
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Ala Lys Val Ser Lys Arg Glu Lys Ala Val Trp Val Leu Asn Pro Glu
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gca ggg atg tgg cag tgt ctg ctg agt gac tcg gga cag gtc ctg ctg 1215
 Ala Gly Met Trp Gln Cys Leu Leu Ser Asp Ser Gly Gln Val Leu Leu
 365 370 375 380

gaa tcc aac atc aag gtt ctg ccc aca tgg tcc acc ccg gtg taa tgg 1263
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 35 40 45

Ile Gln Phe His Trp Lys Asn Ser Asn Gln Ile Lys Ile Leu Gly Asn
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Gln Gly Ser Ser Leu Thr Lys Gly Pro Ser Lys Leu Asn Asp Arg Ala
 65 70 75 80

Asp Ser Arg Arg Ser Leu Trp Asp Gln Gly Asn Phe Pro Leu Ile Ile
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Arg Asn Leu Lys Ile Glu Asp Ser Asp Thr Tyr Ile Cys Glu Val Glu
 100 105 110

Asp Gln Lys Glu Glu Val Gln Leu Leu Val Phe Gly Leu Thr Ala Asn
 115 120 125

Ser Asp Thr His Leu Leu Gln Gly Gln Ser Leu Thr Leu Thr Leu Glu
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Ser Pro Pro Gly Ser Ser Pro Ser Val Gln Cys Arg Ser Pro Arg Gly
 145 150 155 160

Lys Asn Ile Gln Gly Gly Lys Thr Leu Ser Val Ser Gln Leu Glu Leu
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Gln Asp Ser Gly Thr Trp Thr Cys Thr Val Leu Gln Asn Gln Lys Lys
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 195 200 205

Ser Ile Val Tyr Lys Lys Glu Gly Glu Gln Val Asp Phe Ser Phe Pro
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Gln Ala Glu Arg Ala Ser Ser Ser Lys Ser Trp Ile Thr Phe Asp Leu
 245 250 255

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 260 265 270

Gln Met Gly Lys Lys Leu Pro Leu His Leu Thr Leu Pro Gln Ala Leu
 275 280 285

Pro Gln Tyr Ala Gly Ser Gly Asn Leu Thr Leu Ala Leu Glu Ala Lys
 290 295 300

Thr Gly Lys Leu His Gln Glu Val Asn Leu Val Val Met Arg Ala Thr
 305 310 315 320

Gln Leu Gln Lys Asn Leu Thr Cys Glu Val Trp Gly Pro Thr Ser Pro
 325 330 335

Lys Leu Met Leu Ser Leu Lys Leu Glu Asn Lys Glu Ala Lys Val Ser
 340 345 350

Lys Arg Glu Lys Ala Val Trp Val Leu Asn Pro Glu Ala Gly Met Trp
 355 360 365

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 <212> DNA
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 <210> 7
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 Met Asn Arg Gly Val Pro Phe Arg His Leu Leu Leu

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gtg ctg ggc aaa aaa ggg gat aca gtg gaa ctg acc tgt aca gct tcc Val Leu Gly Lys Lys Gly Asp Thr Val Glu Leu Thr Cys Thr Ala Ser 30 35 40			207
cag aag aag agc ata caa ttc cac tgg aaa aac tcc aac cag ata aag Gln Lys Lys Ser Ile Gln Phe His Trp Lys Asn Ser Asn Gln Ile Lys 45 50 55 60			255
att ctg gga aat cag ggc tcc ttc tta act aaa ggt cca tcc aag ctg Ile Leu Gly Asn Gln Gly Ser Phe Leu Thr Lys Gly Pro Ser Lys Leu 65 70 75			303
aat gat cgc gct gac tca aga aga agc ctt tgg gac caa gga aac ttc Asn Asp Arg Ala Asp Ser Arg Arg Ser Leu Trp Asp Gln Gly Asn Phe 80 85 90			351
ccc ctg atc atc aag aat ctt aag ata gaa gac tca gat act tac atc Pro Leu Ile Ile Lys Asn Leu Lys Ile Glu Asp Ser Asp Thr Tyr Ile 95 100 105			399
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cag ctg gag ctc cag gat agt ggc acc tgg aca tgc act gtc ttg cag Gln Leu Glu Leu Gln Asp Ser Gly Thr Trp Thr Cys Thr Val Leu Gln 175 180 185			639
aac cag aag aag gtg gag ttc aaa ata gac atc gtg gtg cta gct ttc Asn Gln Lys Lys Val Glu Phe Lys Ile Asp Ile Val Val Leu Ala Phe 190 195 200			687
cag aag gcc tcc agc ata gtc tat aag aaa gag ggg gaa cag gtg gag Gln Lys Ala Ser Ser Ile Val Tyr Lys Lys Glu Gly Glu Gln Val Glu 205 210 215 220			735
tcc tcc ttc cca ctc gcc ttt aca gtt gaa aag ctg acg ggc agt ggc Phe Ser Phe Pro Leu Ala Phe Thr Val Glu Lys Leu Thr Gly Ser Gly 225 230 235			783
gag ctg tgg tgg cag gcg gag agg gct tcc tcc tcc aag tct tgg atc Glu Leu Trp Trp Gln Ala Glu Arg Ala Ser Ser Ser Lys Ser Trp Ile 240 245 250			831

acc ttt gac ctg aag aac aag gaa gtg tct gta aaa cgg gtt acc cag Thr Phe Asp Leu Lys Asn Lys Glu Val Ser Val Lys Arg Val Thr Gln 255 260 265	879
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ccc cag gcc ttg cct cag tat gct ggc tct gga aac ctc acc ctg gcc Pro Gln Ala Leu Pro Gln Tyr Ala Gly Ser Gly Asn Leu Thr Leu Ala 285 290 295 300	975
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atg aga gcc act cag ctc cag aaa aat ttg acc tgt gag gtg tgg gga Met Arg Ala Thr Gln Leu Gln Lys Asn Leu Thr Cys Glu Val Trp Gly 320 325 330	1071
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gca aag gtt tcg aag cgg gag aag gcg gtg tgg gtg ctg aac cct gag Ala Lys Val Ser Lys Arg Glu Lys Ala Val Trp Val Leu Asn Pro Glu 350 355 360	1167
gcg ggg atg tgg cag tgt ctg ctg agt gac tcg gga cag gtc ctg ctg Ala Gly Met Trp Gln Cys Leu Leu Ser Asp Ser Gly Gin Val Leu Leu 365 370 375 380	1215
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Lys Gly Asp Thr Val Glu Leu Thr Cys Thr Ala Ser Gln Lys Lys Ser
35 40 45

Ile Gln Phe His Trp Lys Asn Ser Asn Gln Ile Lys Ile Leu Gly Asn
50 55 60

Gln Gly Ser Phe Leu Thr Lys Gly Pro Ser Lys Leu Asn Asp Arg Ala
65 70 75 80

Asp Ser Arg Arg Ser Leu Trp Asp Gln Gly Asn Phe Pro Leu Ile Ile
85 90 95

Lys Asn Leu Lys Ile Glu Asp Ser Asp Thr Tyr Ile Cys Glu Val Glu
100 105 110

Asp Gln Lys Glu Glu Val Gln Leu Leu Val Phe Gly Leu Thr Ala Asn
115 120 125

Ser Asp Thr His Leu Leu Gln Gly Gln Ser Leu Thr Leu Thr Leu Glu
130 135 140

Ser Pro Pro Gly Ser Ser Pro Ser Val Gln Cys Arg Ser Pro Arg Gly
145 150 155 160

Lys Asn Ile Gln Gly Gly Lys Thr Leu Ser Val Ser Gln Leu Glu Leu
165 170 175

Gln Asp Ser Gly Thr Trp Thr Cys Thr Val Leu Gln Asn Gln Lys Lys
180 185 190

Val Glu Phe Lys Ile Asp Ile Val Val Leu Ala Phe Gln Lys Ala Ser
195 200 205

Ser Ile Val Tyr Lys Lys Glu Gly Glu Gln Val Glu Phe Ser Phe Pro
210 215 220

Leu Ala Phe Thr Val Glu Lys Leu Thr Gly Ser Gly Glu Leu Trp Trp
 225 230 235 240

Gln Ala Glu Arg Ala Ser Ser Ser Lys Ser Trp Ile Thr Phe Asp Leu
 245 250 255

Lys Asn Lys Glu Val Ser Val Lys Arg Val Thr Gln Asp Pro Lys Leu
 260 265 270

Gln Met Gly Lys Lys Leu Pro Leu His Leu Thr Leu Pro Gln Ala Leu
 275 280 285

Pro Gln Tyr Ala Gly Ser Gly Asn Leu Thr Leu Ala Leu Glu Ala Lys
 290 295 300

Thr Gly Lys Leu His Gln Glu Val Asn Leu Val Val Met Arg Ala Thr
 305 310 315 320

Gln Leu Gln Lys Asn Leu Thr Cys Glu Val Trp Gly Pro Thr Ser Pro
 325 330 335

Lys Leu Met Leu Ser Leu Lys Leu Glu Asn Lys Glu Ala Lys Val Ser
 340 345 350

Lys Arg Glu Lys Ala Val Trp Val Leu Asn Pro Glu Ala Gly Met Trp
 355 360 365

Gln Cys Leu Leu Ser Asp Ser Gly Gln Val Leu Leu Glu Ser Asn Ile
 370 375 380

Lys Val Leu Pro Thr Trp Ser Thr Pro Val Gln Pro Met Ala Leu Ile
 385 390 395 400

Val Leu Gly Gly Val Ala Gly Leu Leu Leu Phe Ile Gly Leu Gly Ile
 405 410 415

Phe Phe Cys Val Arg Cys Arg His Arg Arg Arg Gln Ala Glu Arg Met
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Ser Gln Ile Lys Arg Leu Leu Ser Glu Lys Lys Thr Cys Gln Cys Pro
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His Arg Phe Gln Lys Thr Cys Ser Pro
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Ser Asn Gln Ile Lys Ile Leu Gly Asn Gln Gly Ser Phe Leu Thr Lys
35 40 45

Gly Pro Ser Lys Leu Asn Asp Arg Ala Asp Ser Arg Arg Ser Leu Trp
50 55 60

Asp Gln Gly Asn Phe Pro Leu Ile Ile Lys Asn Leu Lys Ile Glu Asp
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Ser Asp Thr Tyr Ile Cys Glu Val Glu Asp Gln Lys Glu Glu
85 90

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Asp Ile Val Thr Met Thr Cys Gln Ala Ser Gln Gly Thr Ser Ile Asn
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Leu Asn Trp Phe Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
35 40 45

Tyr Gly Ala Ser Ile Leu Glu Asp Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Arg Tyr Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Glu Asp
65 70 75 80

Glu Asp Met Ala Thr Tyr Phe Cys Leu Gln His Ser Tyr Leu Pro Tyr
85 90 95

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 20 25 30

Cys Ser Trp Leu Phe Gln Pro Arg Gly Ala Ala Ala Ser Pro Thr Phe
 35 40 45

Leu Leu Tyr Leu Ser Gln Asn Lys Pro Lys Ala Ala Glu Gly Leu Asp
 50 55 60

Thr Gln Arg Phe Ser Gly Lys Arg Leu Gly Asp Thr Phe Val Leu Thr
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Leu Ser Asn Ser Ile Met
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35

40

45

Phe Asn Asn Asn Val Pro Ile Asp Asp Ser Gly Met Pro Glu Asp Arg
 50 55 60

Phe Ser Ala Lys Met Pro Asn Ala Ser Phe Ser Thr Leu Lys Ile Gln
 65 70 75 80

Pro Ser Glu Pro Arg Asp Ser Ala Val Tyr Phe Cys Ala Ser Ser Phe
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Ser Thr Cys Ser Ala Asn
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 35 40 45

Arg Arg Asn Ser Phe Asp Glu Gln Asn Glu Ile Ser Gly Arg Tyr Ser
 50 55 60

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 85 90 95

Ala Ser Lys

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1 5 10

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